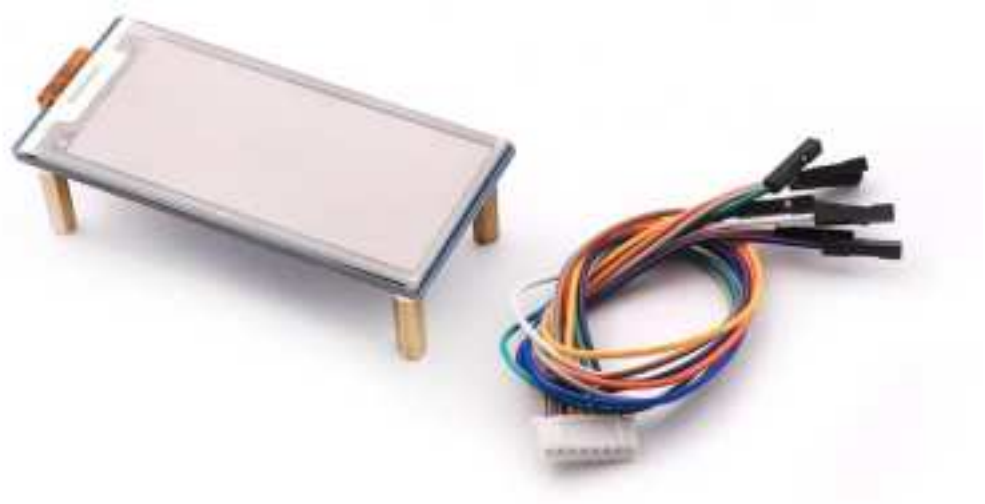
2.9inch E-Paper E-Ink Display Module for Raspberry Pi Pico, 296×128, Black / White, SPI
User Manual



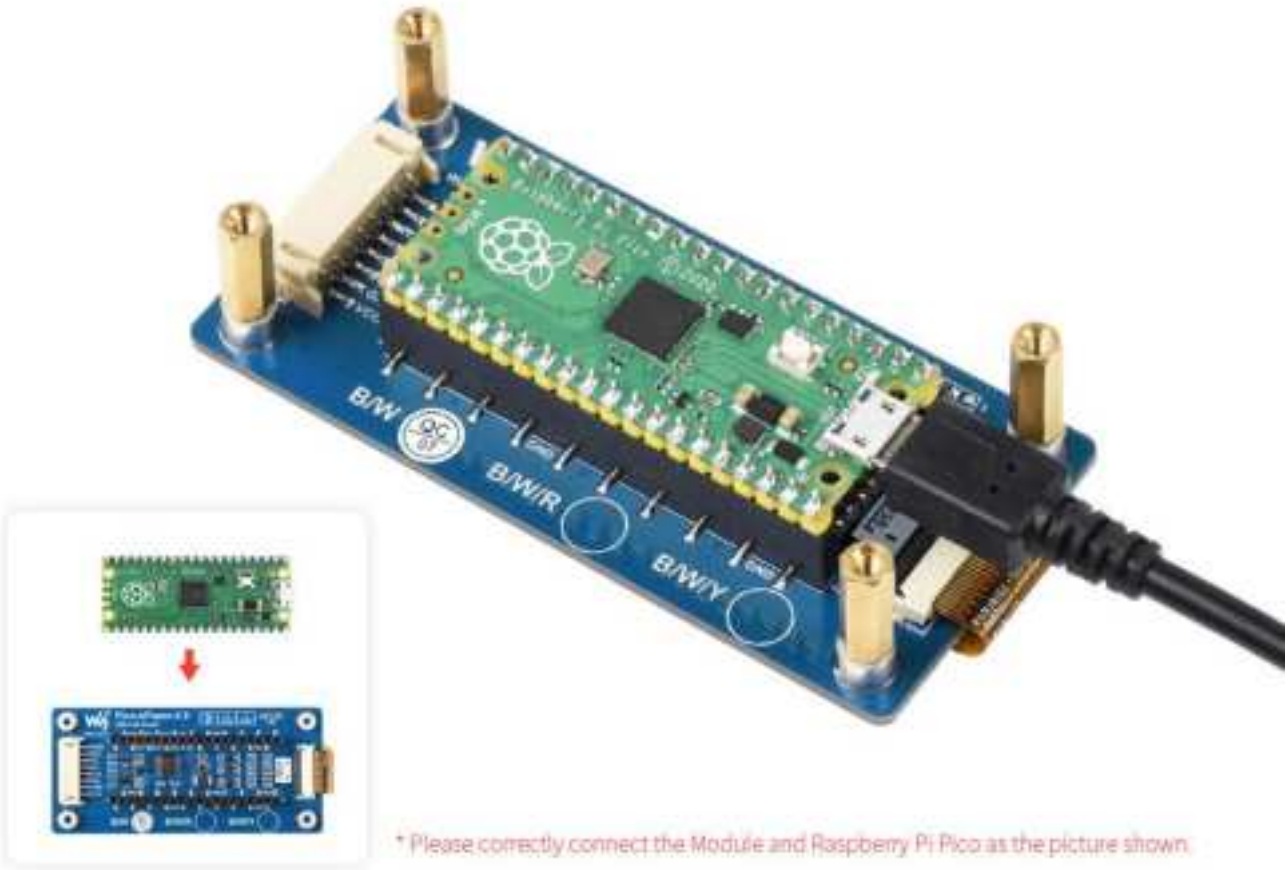
Advantages Of EINK:

E-paper display utilizes microcapsule electrophoretic technology for displaying, the principle is: charged particles suspended in clear fluid will move to sides of microcapsule when electric field is applied, making the microcapsule become visible by reflecting ambient light, just as traditional printed paper.

E-paper display will clearly display images/texts under lamplight or natural light, requires no backlight, and features nearly up to 180° viewing angle. It is usually used as e-reader due to its paper-like effect.

Raspberry Pi Pico Header Compatibility:

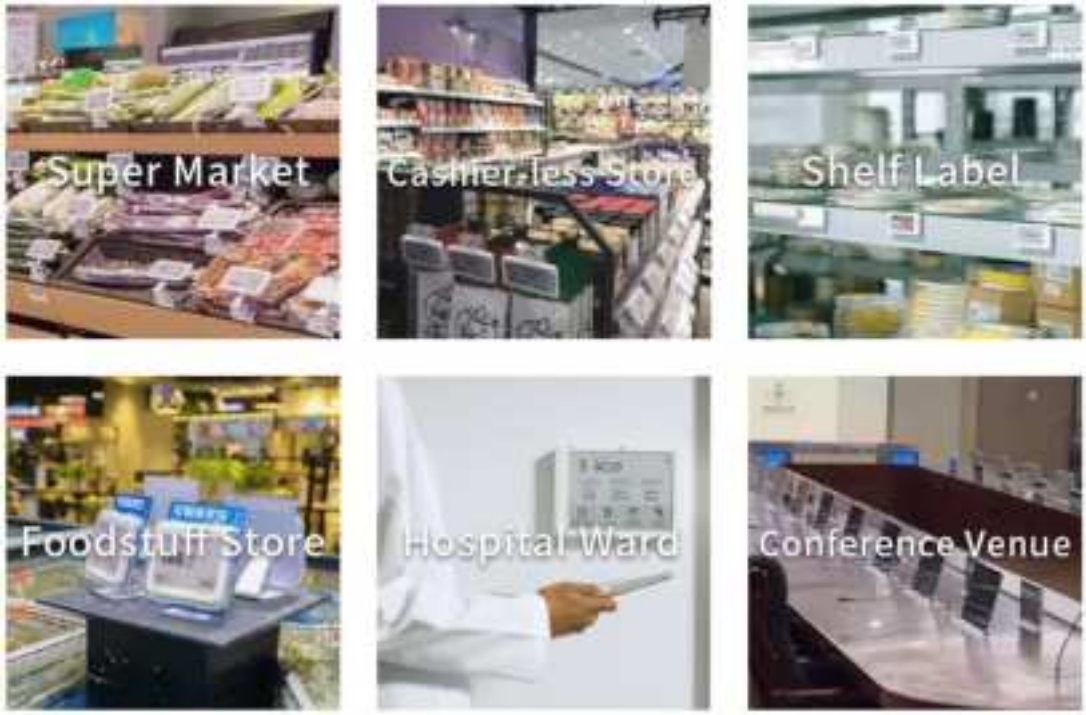
Onboard Female Pin Header For Direct Attaching To Raspberry Pi Pico



Raspberry Pi Pico is NOT included.

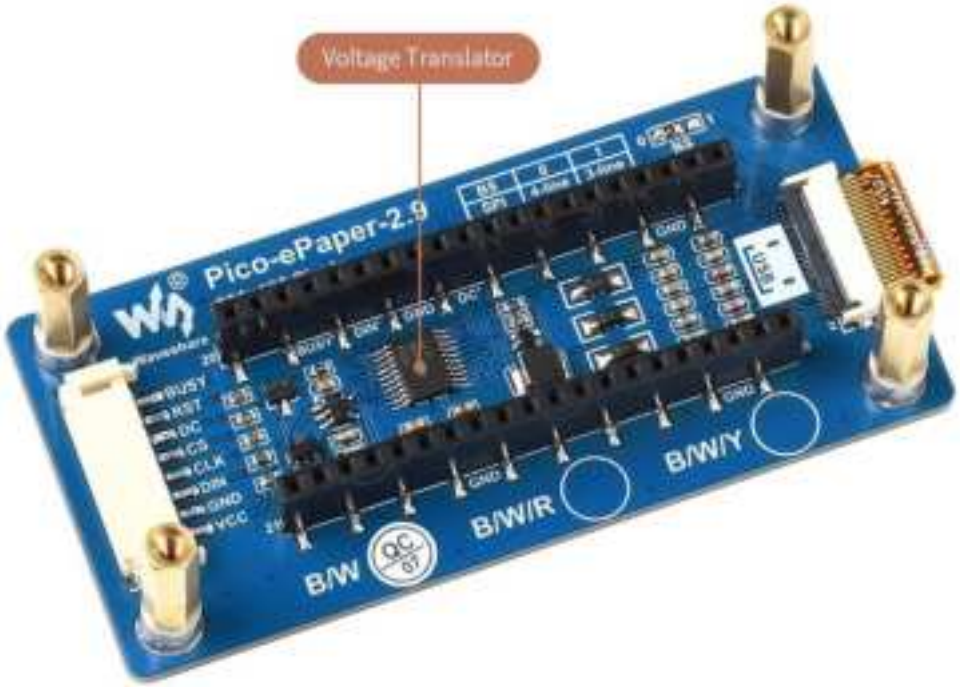
Application Examples:

Suitable for Price Tags, Asset/Equipment Tags, Shelf Labels, Conference Name Tags...



Onboard Voltage Translator:

Compatible With 3.3V / 5V MCUs



Pinout Definition:

VSYS		Power input
GND		Ground
GP8	e-Paper_DC	Data/Command control pin (high for data, low for command)
GP9	e-Paper_CS	SPI chip select (low active)
GP10	e-Paper_CLK	SPI SCK pin
GP11	e-Paper_DIN	SPI MOSI pin
GP12	e-Paper_RST	External reset (low active)
GP13	e-Paper_BUSY	Busy status output